

**Selected Publications by  
Vector-Borne Disease Section Staff, 1999-2008**

Hantavirus

**Levine JR, Fritz CL, Novak MG.** Occupational risk for exposure to rodent-borne hantavirus at U.S. Forest Service facilities in California. *American Journal of Tropical Medicine & Hygiene* 2008; 78(2):352-357.

**Fritz CL**, Fulhorst CF, Enge B, Winthrop KL, Glaser CA, Vugia DJ. Exposure to rodents and rodent-borne viruses among persons with elevated occupational risk. *Journal of Occupational and Environmental Medicine* 2002; 44:962-7.

**Fritz CL**, Young JC. Estimated incubation period for hantavirus pulmonary syndrome [letter]. *American Journal of Tropical Medicine & Hygiene* 2001; 65:403.

Passaro DJ, Shieh WJ, Hacker JK, **Fritz CL**, Hogan SR, Fischer M, Hendry RM, Vugia DJ. Predominant kidney involvement in a fatal case of hantavirus pulmonary syndrome caused by Sin Nombre virus. *Clinical Infectious Diseases* 2001; 33:263-4.

Young JC, Hansen GR, Graves TK, Deasy MP, Humphreys JG, **Fritz CL**, Gorham KL, Khan AS, Ksiazek TG, Metzger KB, Peters CJ. The incubation period of hantavirus pulmonary syndrome. *American Journal of Tropical Medicine Hygiene* 2000; 62: 714-7.

Kitsutani PT, Denton RW, **Fritz CL**, Murray RA, Todd RL, Pape WJ, Frampton JW, Young JC, Khan AS, Peters CJ, Ksiazek TG. Acute Sin Nombre hantavirus infection without pulmonary syndrome, United States. *Emerging Infectious Diseases* 1999; 5:701-5.

Lyme disease

Eisen RJ, Lane RS, **Fritz CL**, Eisen L. Spatial patterns of Lyme Disease risk in California based on disease incidence data and modeling of vector-tick exposure. *American Journal of Tropical Medicine & Hygiene* 2006; 75:669-76.

Wright SA, Lemenager DA, **Tucker JR**, Armijos MV, Yamamoto SA. An avian contribution to the presence of *Ixodes pacificus* (Acari: Ixodidae) and *Borrelia burgdorferi* on the Sutter Buttes of California. *Journal of Medical Entomology* 2006; 43:368-74.

Johnson JL, Ginsberg HS, Zhioua E, Whitworth UG, Markowski D, Hyland KE, **Hu R**. Passive tick surveillance, dog serology, and incidence of human Lyme disease. *Vector-borne and Zoonotic Diseases* 2004; 4(2):137-42.

Eisen RJ, Eisen L, **Castro MB**, Lane RS. Environmentally related variability in risk of exposure to Lyme disease spirochetes in northern California: Effect of climatic conditions and habitat type. *Environmental Entomology* 2003; 32:1010-18.

**Fritz CL, Kjemtrup AM.** Zoonosis Update: Lyme borreliosis. *Journal of the American Veterinary Medical Association* 2003; 223:1261-70.

**Fritz CL**, Vugia DJ. Clinical issues of Lyme borreliosis: A California perspective. *Infectious Disease Review* 2001; 3:111-22.

Wright SA, **Thompson MA**, Miller MJ, Knerl KM, Elms SL, Karpowicz JC, Young JF, **Kramer VL**. Ecology of *Borrelia burgdorferi* in ticks (Acari: Ixodidae), rodents, and birds in the Sierra Nevada foothills, Placer County, California. *Journal of Medical Entomology* 2000; 37: 909-18.

#### Babesiosis

Conrad PA, **Kjemtrup AM**, Carreno RA, Thomford JT, Wainwright K, Eberhard M, Quick R, Telford SR III, Herwaldt BL. Description of *Babesia duncani* n.sp. (Apicomplexa: Babesiidae) from humans and its differentiation from other piroplasms. *International Journal for Parasitology* 2006; 36 (7):779-89.

**Kjemtrup AM**, Conrad PA. A review of the small canine piroplasms from California: *B. conradae* in the literature. *Veterinary Parasitology* 2006;138:112-7.

**Kjemtrup AM**, Wainwright K, Miller M, Penzhorn BL, Carreno RA. *Babesia conradae*, sp. Nov., a small canine *Babesia* identified in California. *Veterinary Parasitology* 2006; 138:103-11.

**Kjemtrup AM**, Lee B, **Fritz CL**, Evans C, Chervenak M, Conrad PA. Investigation of transfusion transmission of a WA1- type babesial parasite to a premature infant in California. *Transfusion* 2002; 42:1482-7.

**Kjemtrup AM**, Conrad PA. Emerging perspectives on human Babesiosis. In Scheld WM, Craig WA, Hughes JM, eds. *Emerging Infections 5*. Washington, D.C.: ASM Press; 2001: 175-96.

**Kjemtrup AM**, Robinson T, Conrad PA. Description and epidemiology of *Theileria youngi* n. sp. from a northern Californian Dusky-footed woodrat (*Neotoma fuscipes*) population. *Journal of Parasitology* 2001; 87:373-8.

#### Ehrlichiosis/Anaplasmosis

**Fritz CL, Bronson LR, Smith CR**, Crawford-Miksza L, Yeh E, Schnurr D. Clinical, epidemiologic, and environmental surveillance for ehrlichiosis and anaplasmosis in an endemic area of northern California. *Journal of Vector Ecology* 2005; 30:4-10.

Foley JE, **Kramer V**, Weber D. Experimental infection of dusky-footed wood rats (*Neotoma fuscipes*) with *Ehrlichia phagocytophila* sensu lato. *Journal of Wildlife Diseases* 2002; 38:194-8.

**Castro MB**, Nicholson WL, **Kramer VL**, Childs JE. Persistent infection in *Neotoma fuscipes* (Muridae: Sigmodontinae) with *Ehrlichia phagocytophila* sensu lato. *American Journal of Tropical Medicine and Hygiene* 2001; 65:261-7.

Pusterla N, Chang C, Chomel B, Chae J, Foley J, DeRock E, **Kramer V**, Lutz H, Madigan J. Serologic and molecular evidence of *Ehrlichia* spp. in coyotes in California. *Journal of Wildlife Diseases* 2000; 36: 494-9.

**Kramer VL**, Randolph MP, **Hui LT**, Irwin WE, Gutierrez AG, Vugia DJ. Detection of the agents of human ehrlichioses in ixodid ticks from California. *American Journal of Tropical Medicine and Hygiene* 1999; 60(1):62-5.

Nicholson WL, **Castro MB**, **Kramer VL**, Sumner JW, Childs JE. Dusky-footed wood rats (*Neotoma fuscipes*) as reservoirs of granulocytic ehrlichiae (Rickettsiales: Ehrlichieae) in Northern California. *Journal of Clinical Microbiology* 1999; 37:3323-7.

#### Relapsing fever

**Fritz CL**, **Bronson LR**, **Smith CR**, Schriefer ME, **Tucker JR**, Schwan TG. Isolation and characterization of *Borrelia hermsii* associated with two foci of tick-borne relapsing fever in California. *Journal of Clinical Microbiology* 2004; 42(3):1123-8.

Dworkin MS, Shoemaker PC, **Fritz CL**, Dowell ME, Anderson DE Jr. The epidemiology of tick-borne relapsing fever in the United States. *American Journal of Tropical Medicine & Hygiene* 2002; 66:753-8.

#### Other tick-borne disease

Wikswo ME, **Hu R**, **Metzger ME**, Eremeeva ME. Detection of *Rickettsia rickettsii* and *Bartonella henselae* in *Rhipicephalus sanguineus* ticks from California. *Journal of Medical Entomology* 2007; 44:158-161.

Monson SE, **Bronson LR**, **Tucker JR**, **Smith CR**. Experimental and field evaluations of two acaricides for control of *Ixodes pacificus* (Acari: Ixodidae) in Northern California. *Journal of Medical Entomology* 1999; 36(6): 660-5.

#### Plague

Gerry AC, Zhang X, Walker TW, Frederickson S, **Metzger ME**, **Hu R**, Krieger RI. Worker exposure to Diazinon during flea control operations in response to a plague epizootic. *Bulletin of Environmental Contamination and Toxicology* 2005; 74:391-8.

Hoar BR, Chomel BB, Rolfe DL, Chang CC, **Fritz CL**, Sacks BN, Carpenter TE. Spatial analysis of *Yersinia pestis* and *Bartonella vinsonii* subsp. *berkhoffii* seroprevalence in California coyotes (*Canis latrans*). *Preventive Veterinary Medicine* 2003; 56:299-311.

**Bronson LR, Smith CR.** Use of liquid deltamethrin in modified, host-targeted bait tubes for control of fleas on sciurid rodents in northern California. *Journal of Vector Ecology* 2002; 27:55-62

**Davis RM**, Smith RT, Madon MB, Sitko-Cleugh E. Flea, rodent, and plague ecology at Chuchupate Campground, Ventura County, California. *Journal of Vector Ecology* 2002; 27:107-27.

**Metzger ME**, Rust MK. Laboratory evaluation of fipronil and imidacloprid topical insecticides for control of the plague vector *Oropsylla montana* (Siphonaptera: Ceratophyllidae) on California ground squirrels (Rodentia: Sciuridae). *Journal of Medical Entomology* 2002; 39:152-61.

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#### West Nile virus

**Padgett KA**, Reisen WK, Kahl-Purcell N, Fang Y, Cahoon-Young B, Carney R, Anderson N, Zucca L, Woods L, **Husted S, Kramer VL**. West Nile virus infection in tree squirrels (Rodentia: Sciuridae) in California, 2004-2005. *American Journal of Tropical Medicine and Hygiene* 2007; 76:810-813.

**Padgett KA**, Cahoon-Young B, **Carney R**, Woods L, Deryck R, **Husted S, Kramer V**. Field and laboratory evaluation of diagnostic assays for detecting West Nile virus in oropharyngeal swabs from California wild birds. *Vector-Borne and Zoonotic Diseases* 2006; 6(2):183-91.

Deegan CS, **Burns JE**, Huguenin M, Steinhaus EY, Panella NA, Beckett S, Komar N. Sentinel pigeon surveillance for West Nile virus by using lard-can traps at differing elevations and canopy cover classes. *Journal of Medical Entomology* 2005; 42(6):1039-44.

Reisen W, Lothrop H, Chiles R, Madon M, Cossen C, Woods L, **Husted S, Kramer V**, and Edman J. West Nile virus in California. *Emerging Infectious Diseases* 2004; 10(8):1369-78.

#### Other mosquito-borne disease

**Metzger ME**, Myers CM, Klugh S, Wekesa JW, Hu R, Kramer VL. An assessment of mosquito production and nonchemical control measures in structural stormwater best management practices in southern California. *Journal of the American Mosquito Control Association* 2008; 24:70-81.

**Kwan JA, Riggs-Nagy JM, Fritz CL, Shindelbower M, Castro PA, Kramer VL, Metzger ME**. Mosquito production in stormwater treatment devices in the Lake Tahoe Basin, California. *Journal of the American Mosquito Control Association* 2008; 24:82-89.

**Henn JB, Metzger ME, Kwan JA, Harbison JE, Fritz CL, Riggs-Nagy JM, Shindelbower M, Kramer VL.** Development time of Culex mosquitoes in stormwater management structures in California. *Journal of the American Mosquito Control Association* 2008; 24:90-97.

**Harbison JE, Metzger ME, Hu R, Fritz CL, Kramer VL.** Effect of conveyance pipe dimension and orientation on mosquito oviposition in a simulated stormwater management device. *Journal of the American Mosquito Control Association* 2008; 24:98-104.

Barker CM, Reisen WK, **Kramer VL.** California state mosquito-borne virus surveillance and response plan: A retrospective evaluation using conditional simulations. *American Journal of Tropical Medicine and Hygiene* 2003; 68:508-18.

**Linthicum KJ, Kramer VL,** Madon MB, Fujioka K, The Surveillance-Control Team. Introduction and potential establishment of *Aedes albopictus* in California in 2001. *Journal of the American Mosquito Control Association*, 2003; 301-8.

#### Other

**Castro MB**, Wright SA. Vertebrate hosts of *Ixodes pacificus* (Acari: Ixodidae) in California. *Journal of Vector Ecology* 2007; 32:140-149.

Liang SY, **Linthicum KJ**, Gaydos GC. Climate change and the monitoring of vector-borne disease. *Journal of the American Medical Association* 2002; 287:2286.

Chomel BB, Kikuchi Y, Martenson JS, Roelke-Parker ME, Chang C, Kasten RW, Foley JE, Laudre J, Murphy K, Swift PK, **Kramer VL**, and O'Brien SJ. 2004. Seroprevalence of *Bartonella* infection in American free-ranging and captive pumas (*Felis concolor*) and bobcats (*Lynx rufus*). *Veterinary Research* 2004; 35:233-41.

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**Rodriguez-Lainz A, Fritz CL**, McKenna WR. Animal and public health significance of Africanized honeybees. *Journal of the American Veterinary Medical Association* 1999; 215:1799-804.

Chang C, Yamamoto K, Chomel BB, Kasten RW, Simpson DC, **Smith CR, Kramer VL**. 1999. Seroepidemiology of *Bartonella visonii* subsp. *Berkhoffii* infection in California coyotes, 1994-1998. *Emerging Infectious Diseases* 5(5): 711-5